

## Ada County, Idaho

### 3057—Cranegulch-Hullsgulch-Piercepark complex, 15 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2185g

*Elevation:* 2,710 to 3,950 feet

*Mean annual precipitation:* 13 to 16 inches

*Mean annual air temperature:* 48 to 51 degrees F

*Frost-free period:* 120 to 150 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Cranegulch and similar soils:* 45 percent

*Hullsgulch and similar soils:* 30 percent

*Piercepark and similar soils:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Cranegulch

##### Setting

*Landform:* Hillslopes

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loamy lacustrine deposits

##### Typical profile

*A1 - 0 to 3 inches:* loam

*A2 - 3 to 11 inches:* loam

*Bt1 - 11 to 14 inches:* sandy clay loam

*Bt2 - 14 to 22 inches:* sandy clay

*Bt3 - 22 to 33 inches:* clay

*Bt4 - 33 to 50 inches:* sandy clay

*Bt5 - 50 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 15 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 2 percent

*Available water storage in profile:* High (about 9.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C  
*Ecological site:* LOAMY 12-16 - Provisional (R010XY007ID)

## Description of Hullsgulch

### Setting

*Landform:* Hillslopes  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy lacustrine deposits

### Typical profile

*A - 0 to 5 inches:* loamy coarse sand  
*BA - 5 to 12 inches:* coarse sandy loam  
*Bt1 - 12 to 19 inches:* sandy clay loam  
*Bt2 - 19 to 25 inches:* coarse sandy loam  
*Bt3 - 25 to 38 inches:* coarse sandy loam  
*E/Bt1 - 38 to 53 inches:* stratified loamy coarse sand to sandy clay loam  
*E/Bt2 - 53 to 60 inches:* stratified fine gravelly coarse sand to fine gravelly sandy clay loam

### Properties and qualities

*Slope:* 15 to 25 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Low (about 4.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* B  
*Ecological site:* South Slope Sandy 8-12 ARTRT/PSSP6 (R011XY025ID)

## Description of Piercepark

### Setting

*Landform:* Fan remnants  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy alluvium

### Typical profile

*A1 - 0 to 2 inches:* coarse sandy loam  
*A2 - 2 to 6 inches:* coarse sandy loam  
*A3 - 6 to 10 inches:* coarse sandy loam  
*AB - 10 to 16 inches:* coarse sandy loam  
*BA - 16 to 27 inches:* coarse sandy loam

*Bt1 - 27 to 34 inches:* sandy clay loam  
*Bt2 - 34 to 60 inches:* fine gravelly sandy clay loam

**Properties and qualities**

*Slope:* 15 to 25 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Moderate (about 8.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* B  
*Ecological site:* South Slope Sandy 8-12 ARTRT/PSSP6  
(R011XY025ID)

## Data Source Information

Soil Survey Area: Ada County, Idaho  
Survey Area Data: Version 4, Sep 9, 2015